

MACHINE DESIGN

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Including 26 regular issues of MACHINE DESIGN plus *The Seals Book*, *The Bearings Book*, *The Ferrous Metals Book*, and *The Electric Motor Book*. Only articles and editorial items one-half page or larger are indexed.

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ORDNANCE

Army Shoots the Works on Materials	News	1/5,	10	(0.5)
One Vehicle Army?	News	2/2,	14	(1.3)
Minuteman	News	3/2,	24	(2.0)
Sophisticated Simulator Checks Out Chopper Pilots	News	5/11,	6	(1.0)
Wire-Guided Tank Killer Posts High Score	News	8/31,	6	(1.0)

MACHINES and MECHANICAL EQUIPMENT

Manipulator With a Memory	News	2/2,	12	(0.7)
Skyscraper on Wheels: Saturn Gantry	News	5/25,	36	(1.7)
Work-Horse Vehicle Swaps Midsections	News	12/7,	6	(1.0)
Big Weight Balances Zulia Boom	DIA	1/19,	143	(2.0)
Bar Feeder Loads Indexing Fixtures	DIA	1/19,	144	(2.0)
Weight-Down Scale in Portable Concrete Batchers	DIA	2/2,	124	(2.0)
Car Dump Shifts Motors	DIA	2/16,	145	(1.0)
Snow Rides Jet Air Stream To Eliminate Fall-Out	DIA	3/16,	152	(2.0)
Truss Design Eliminates Bending Moments in Pump Frame	DIA	3/16,	154	(1.0)
Ferris-Wheel Whirls Boxes Through Ultrasonic Bath	DIA	4/13,	157	(1.0)
Double-Duty Controls Simplify Garden Compact	DIA	4/13,	161	(1.0)
Hydraulic Handler Dumps Slag Pot	DIA	4/27,	135	(1.0)
Mechanical Arms Move Billets through Black-Light Line	DIA	4/27,	140	(2.0)
Aging Die Makes Hay Biscuits in the Field	DIA	5/11,	190	(1.0)
Movie-in-a-Minute Developing Machine Extrudes Viscous Developer on Film	DIA	6/8,	175	(1.0)
Motorized Tender Pushes Mobile Crane	DIA	6/22,	153	(1.0)
Air-Blown Paddle Wheel Empties Grain Truck	DIA	7/20,	149	(1.0)
Tractor-Towed Jig Sets Posts, Stretches Fence	DIA	8/3,	102	(1.0)
Christmas Tree Bundler	DIA	12/21,	121	(1.0)

ELECTRICAL MACHINERY

IBM Graduates Two New Computers	News	5/11,	38	(1.7)
Simulator Teaches Missile Men How To Hunt Subs	News	9/28,	10	(0.6)
Energy Killers for a 10,000 mph Approach	News	9/28,	14	(1.0)
Twin-Recording Heads	Scan	7/6,	123	(0.4)
Tape Loops Synthesize Standard Announcements	DIA	6/22,	157	(1.0)

AUTOMOTIVE, TRANSPORTATION

XM-521: An Unsinkable Truck	News	1/19,	14	(0.6)
Knock-Down Cab Aids Job-Hopping Truck	News	1/19,	34	(0.5)

Mobility: Cure for Creeping Airports	News	2/2,	6	(1.0)
In-Line Twin Aims at Single-Engine Safety	News	3/16,	6	(0.7)
Three-Wheel Transports	News	3/30,	24	(2.0)
More Sport Cars from Europe	News	4/27,	26	(2.0)
VW Squares Off for Compact Contest	News	5/25,	6	(1.0)
New Model MG ... New-Look Sprite	News	7/6,	6	(1.0)
Fast U. S. Hydrofoil May Revamp Marine Travel	News	7/20,	14	(0.5)
The '62 Cars	News	9/28,	24	(5.0)
The '62 Cars	News	10/12,	36	(1.0)
Chevrolet's CERV-I	News	12/21,	6	(0.7)
Box Girders Make Heat Flues in Hefty Dump Truck	DIA	2/2,	126	(2.0)
XM-521 Army Truck	DIA	2/16,	146	(4.0)
U25B: More Power from Less Machinery	DIA	3/2,	102	(6.0)
British Railways Design Labor-Saving Special Trains	DIA	11/9,	182	(2.0)
Rolling Steam Plant	DIA	12/21,	122	(1.0)
Stomping Dragline	DIA	12/21,	123	(1.0)

AIRCRAFT, MISSILES, SATELLITES

Boeing's 727: Jet-Age Tri-Motor	News	1/5,	6	(1.0)
Surveyor: NASA's Soft Landing Probe	News	3/2,	6	(1.0)
Comfort and Cargo Capabilities Stressed in Vertol 107 Mockups	News	4/13,	6	(1.0)
Nike Zeus: Uncertain Fate of Missile Killer	News	7/6,	24	(3.0)
Air-Cushion Vehicles	News	7/20,	31	(0.5)
Midas Starts Its Checkout	News	8/17,	12	(0.6)
X-15 May Boost Scout into Space	News	10/26,	10	(1.0)
Observatory in Orbit Has Better Aim than Palomar	News	11/9,	26	(2.0)
'63 Roll-Out Scheduled for Turbofan Transport	News	11/9,	34	(0.5)
Missile Nerve Center Sinks No Roots	News	11/9,	36	(0.6)
Swing-Tail Freighter Power-Loads Cargo	DIA	4/27,	136	(4.0)

INSTRUMENTS

Isotope Refrigerator Nudges Absolute Zero	News	5/25,	14	(0.5)
Early-Warning Castaway Monitors Young Hurricanes	News	8/3,	34	(1.0)
Spar To Probe Oceans Acoustic Secrets	News	11/23,	12	(0.6)
Beans-and-Bullets Air Arm	News	12/21,	24	(4.0)
Film Tension Controls Lights and Projector	DIA	1/5,	142	(2.0)
Movie Camera Doubles as Projector	DIA	7/20,	152	(1.0)
Cool Projector	DIA	12/7,	166	(2.0)

